

AMENDED

Nº 45744

APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office JUN 2 1982
 Returned to applicant for correction AUG 9 1982
 Corrected application filed OCT 7 1982
 Map filed NOV 4 1982

- The applicant Trans-Pacific Geothermal, Inc. and Monterey Energy Company
1419 Broadway, of Oakland,
Street and No. or P.O. Box No. City or Town
California 94612, hereby make application for permission to appropriate the public
State and Zip Code No.
 waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) TGS Associates is a partnership comprised of Trans-Pacific Geothermal, Inc., incorporated in Nevada 11/16/81, and SR Geothermal, Inc., incorporated in Delaware 9/23/81. Monterey Energy Company is a partnership, incorporated in Texas, 3/1/82. Members: Jerry Kramer, Jack Preston; Art Preston
 1. The source of the proposed appropriation is deep geothermal reservoir - 10,000 feet
Name of stream, lake, spring, underground or other source
 2. The amount of water applied for is five (5) second-feet
One second-foot equals 448.83 gals. per min.
 (a) If stored in reservoir give number of acre-feet.
 3. The water to be used for industrial purposes
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.
 4. If use is for:
 (a) Irrigation, state number of acres to be irrigated:
 (b) Stockwater, state number and kinds of animals to be watered:
 (c) Other use (describe fully under "No. 12. Remarks") industrial
 (d) Power:
 (1) Horsepower developed no external pumps will be used
 (2) Point of return of water to stream reinjection or surface disposal; will depend on water quality
 5. The water is to be diverted from its source at the following point: T25N, R37E, MDM, Sec 34: NE 1/4, SE 1/4,
Describe as being within a 40-acre subdivision of public
or at a point from which the SW corner of said Sec. 34 bears S 69°-20'-02" W
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.
4697.20
 6. Place of use T25N, R37E, MDM, Sec 34: NE 1/4, SE 1/4
Describe by legal subdivision. If on unsurveyed land, it should be so stated.
 7. Use will begin about January 1 and end about December 31, of each year.
Month and Day Month and Day
 8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) The proposed works would be the completed geothermal well. Water would be diverted from the geothermal reservoir, through the cased wellbore to the wellhead for the initial beneficial use which is well flow testing to evaluate the geothermal reservoir. The wellbore will be cased to an estimated depth of 6300 ft. (see Drilling and Completion Procedure)
State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes, drilled well with pump and motor, etc.
 9. Estimated cost of works one million five hundred thousand dollars (\$1,500,000)

10. Estimated time required to construct works.....60-90 days.....
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use....three (3) years.....

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

The industrial use of appropriated water, consequent to this application, would be the production of water of geothermal effluent from wellhead, then through surface pipeline, to electrical generating plant. Additional economic utilization of the geothermal energy may be effected subsequent to or separate from electrical generation. Estimated Consumption: 500,000 lbs. per hr. per well, 24 hrs. a day, 365 days a year.

s/ Walter Turnbull
By Walter Turnbull, Secretary-Treasurer
Trans-Pacific Geothermal, Inc.
1419 Broadway
Oakland, CA 94612

Compared as/b1

Protested

OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed.....cubic feet per second.....

Work must be prosecuted with reasonable diligence and be completed on or before.....

Proof of completion of work shall be filed before.....

Application of water to beneficial use shall be made on or before.....

Proof of the application of water to beneficial use shall be filed on or before.....

Map in support of proof of beneficial use shall be filed on or before.....

Completion of work filed..... IN TESTIMONY WHEREOF, I.....
State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed..... my office, this.....day of.....

Cultural map filed..... A.D. 19.....

Certificate No.....Issued.....

218 (Rev.)
WITHDRAWN BY *[Signature]* FEB 22 1984
[Signature] STATE ENGINEER